

NOTICE OF DRAFTPERSON'S  
PATENT DRAWING REVIEWThe drawing filed (insert date) 3/31/99 are:

A.  not objected to by the Draftperson under 37 CFR 1.84 or 1.152.

B.  objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings where necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color.  <input type="checkbox"/> Color drawing are not acceptable until petition is granted. <input type="checkbox"/> Fig(s) _____ <input type="checkbox"/> Pencil and non black ink is not permitted. Fig(s) _____	7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)  <input type="checkbox"/> Hatching not indicated for sectional portions of an object. <input type="checkbox"/> Fig.(s) _____ <input type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig.(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84(b)  <input type="checkbox"/> Photographs are not acceptable until petition is granted, <input type="checkbox"/> 3 full-tone sets are required. Fig(s) _____ <input type="checkbox"/> Photographs not properly mounted (must bristol board or photographic double-weight paper). Fig(s) _____ <input type="checkbox"/> Poor quality (half-tone). Fig(s) _____	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)  <input type="checkbox"/> Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs. Fig.(s) _____ <input type="checkbox"/> Views not on the same plane on drawing sheet. Fig.(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(e)  <input type="checkbox"/> Paper not flexible, strong, white and durable. <input type="checkbox"/> Fig.(s) _____ <input type="checkbox"/> Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. (too thin) <input type="checkbox"/> Mylar, vellum paper is not acceptable (too thin). <input type="checkbox"/> Fig(s) _____	9. SCALE. 37 CFR 1.84(k)  <input type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. <input type="checkbox"/> Fig.(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(F): Acceptable sizes:  <input type="checkbox"/> 21.0 cm by 29.7 cm (DIN size A4) <input type="checkbox"/> 21.6 cm by 27.9 cm (8 1/2 x 11 inches) <input type="checkbox"/> All drawings sheets not the same size. <input type="checkbox"/> Sheet(s) _____	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)  <input checked="" type="checkbox"/> Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality). <input type="checkbox"/> Fig.(s) <u>1-4</u>
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:  <input type="checkbox"/> Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size <input type="checkbox"/> Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 <input checked="" type="checkbox"/> Margins not acceptable. Fig(s) <u>1-3</u> <input type="checkbox"/> Top (T) _____ Left (L) _____ <input type="checkbox"/> Right (R) _____ Bottom (B) _____	11. SHADING. 37 CFR 1.84(m)  <input type="checkbox"/> Solid black areas pale. Fig.(s) _____ <input type="checkbox"/> Solid black shading not permitted. Fig.(s) _____ <input type="checkbox"/> Shade lines, pale, rough and blurred. Fig.(s) _____
6. VIEWS. CFR 1.84(h)  REMINDER: Specification may require revision to correspond to drawing changes.  <input type="checkbox"/> Views connected by projection lines or lead lines. <input type="checkbox"/> Fig.(s) _____	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.48(p)  <input checked="" type="checkbox"/> Numbers and reference characters not plain and legible. <input type="checkbox"/> Fig.(s) <u>1-4</u> <input type="checkbox"/> Figure legends are poor. Fig.(s) _____ <input type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig.(s) _____ <input type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(3) Fig.(s) _____ <input checked="" type="checkbox"/> Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig.(s) <u>1-4</u>
Partial views. 37 CFR 1.84(h)(2)  <input type="checkbox"/> Brackets needed to show figure as one entity. <input type="checkbox"/> Fig.(s) _____ <input type="checkbox"/> Views not labeled separately or properly. <input type="checkbox"/> Fig.(s) _____ <input type="checkbox"/> Enlarged view not labeled separately or properly. <input type="checkbox"/> Fig.(s) _____	13. LEAD LINES. 37 CFR 1.84(q)  <input type="checkbox"/> Lead lines cross each other. Fig.(s) _____ <input type="checkbox"/> Lead lines missing. Fig.(s) _____
	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(t)  <input type="checkbox"/> Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig.(s) _____
	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)  <input type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig.(s) _____
	16. CORRECTIONS. 37 CFR 1.84(w)  <input type="checkbox"/> Corrections not made from PTO-948 dated _____
	17. DESIGN DRAWINGS. 37 CFR 1.152  <input type="checkbox"/> Surface shading shown not appropriate. Fig.(s) _____ <input type="checkbox"/> Solid black shading not used for color contrast. <input type="checkbox"/> Fig.(s) _____

## COMMENTS

REVIEWER TANG DATE 6/19/99 TELEPHONE NO. 2033051038

ATTACHMENT TO PAPER NO. \_\_\_\_\_

### **REMINDER**

Drawing changes may also require changes in the specification, e.g., if Fig. I is changed to Fig. IA, Fig. IB; Fig. IC, etc., the specification, at the Brief Description of the Drawings, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawing changes.

### **INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

#### **1. Correction of Informalities—37 CFR 1.85**

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

#### **2. Timing of Corrections**

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable correction resubmitted within the original three-month period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set (or extended) period will result in **ABANDONMENT** of the Application.

#### **3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO 948**

All changes to the drawings, other than informalities noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

**Attachment for PTO-948 (Rev. 03/01, or earlier)**

**6/18/01**

**The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.**

**INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

**1. Correction of Informalities -- 37 CFR 1.85**

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTO-37), the new drawings MUST be filed within the THREE MONTH shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.116(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

**2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.**

All changes to the drawings, other than informalities noted by the Draftsperson, MUST be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings MUST be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

**Timing of Corrections**

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.

06 01 01

**BEST AVAILABLE COPY**